

Title (en)

FCC process and apparatus having a low volume dilute phase disengagement zone in the reaction vessel

Title (de)

FCC-Verfahren und Apparatur mit klein Volume verdünnter Phaseauslösezone in Reaktionsgefäß

Title (fr)

Procédé et appareillage FCC avec zone de désengagement dans la phase diluée de volume réduite dans l'enceinte de réaction

Publication

EP 0564678 B1 19971203 (EN)

Application

EP 92106034 A 19920408

Priority

- AU 1474292 A 19920409
- US 52452590 A 19900517

Abstract (en)

[origin: EP0564678A1] The operation of an FCC process and apparatus is improved by providing a low volume dilute disengagement zone in a reactor vessel containing a vented riser that provides an open discharge of catalyst and gaseous products into the upper region of the reactor vessel. In the improved system, the interior of the reactor vessel is arranged such that the outlet of the reactor riser is located close to and directed at the top of the reactor vessel, the reactor vessel operates with a dense bed of catalyst having an upper bed level that is only a short distance below the outlet of the reactor riser and the cyclone separators are located to the outside of the reactor riser and circulate catalyst back to the dense bed of the reactor section.

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CPC (source: EP US)

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EP 92106034 A 19920408; AU 1474292 A 19920409; US 52452590 A 19900517; US 80120891 A 19911202; US 827493 A 19930125; US 97346592 A 19921109